

Vex Robotics Competitions

AGES 9+

What are Vex IQ Competitions?

Vex IQ Competitions are the largest and fastest growing robotics competitions in elementary and middle schools, ideal for students ages 9-13

These competitions challenge kids to design, build, and program robots to compete in various challenges and games. Participating in Vex IQ competitions can be a great way for kids to learn about science, technology, engineering, and math (STEM) concepts in a fun and hands-on way. It can also help them develop skills such as problem-solving, collaboration, and critical thinking. Overall, Vex IQ competitions can be a great way for kids to learn, have fun, and even potentially pursue careers in STEM fields

Our students will find the level of programming to be simpler than our Robotics courses however these competitions will provide students the opportunity to design and build their own robot to solve an engineering problem. Not to mention the experience of participating in a robotics competitio



What is Exceed's Role?

The role of Exceed Robotics is that of a coach and mentor to prepare and guide students throughout their competition's journey

1. Coaching and Mentorship

Coaching by our best instructors, some of whom have advanced to the World VRC in the US. Note that coaches will provide guidance to our teams but cannot assist in robot design, build, code, etc.

2. Preparatory Courses

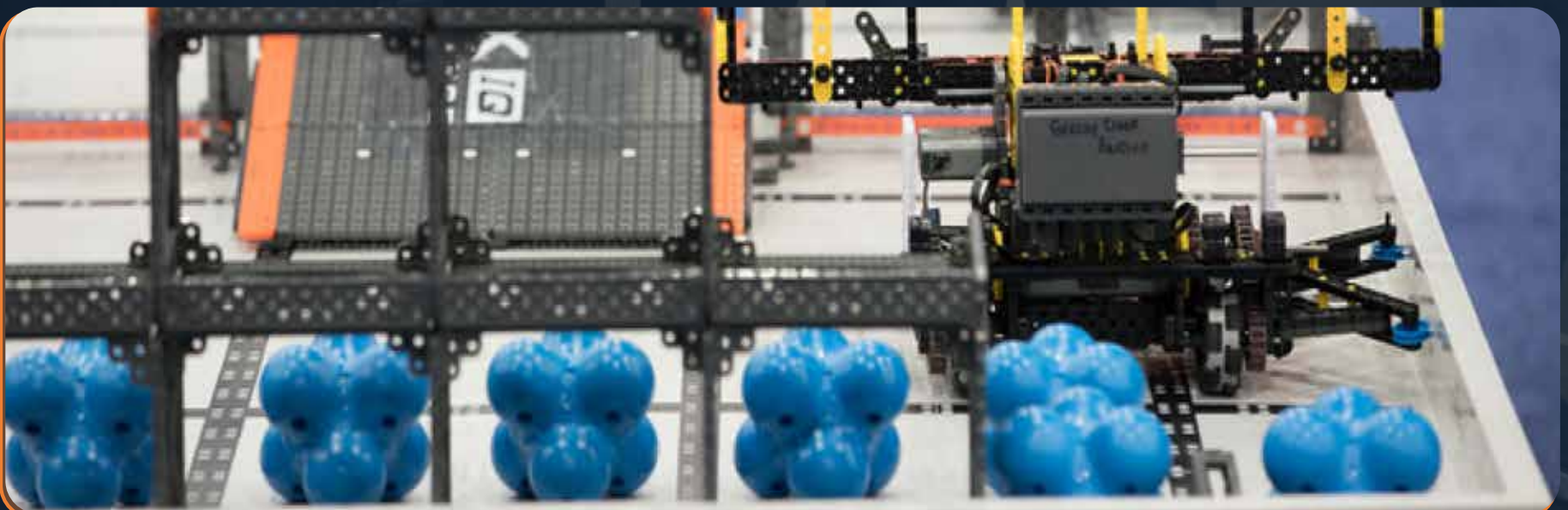
Preparation is one of the most important factors to winning robotics competitions. Courses in robot building, robot mechanism, programming in VexCode and mock competitions are scheduled for the first half of the year.

3. Competition Workspace

All Exceed Robotics campuses are equipped with competition fields, game accessories and computer stations.

4. Administration

We will help students/parents with forming teams, team registration and competition registration.



What are Vex VRC Competitions?

Vex VRC Competitions are the largest and fastest growing robotics competitions in middle and high schools, ideal for students ages 12-17

These competitions challenge kids to design, build, and program robots to compete in various challenges and games. Participating in Vex VRC competitions can be a great way for kids to learn about science, technology, engineering, and math (STEM) concepts in a fun and hands-on way. It can also help them develop skills such as problem-solving, collaboration, and critical thinking. Overall, Vex VRC competitions can be a great way for kids to learn, have fun, and even potentially pursue careers in STEM fields

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Recreational vs Professional Teams

Recreational (REC) Teams are ideal for students who would like to experience robotics competitions but want to still have time to attend other classes and have their free time. This category of competition team requires 2 hours of in-centre time per week and recommended 2-4 hours per week at home. REC teams need to purchase one robot per team and competition field/accessories are optional.

Professional (PRO) Teams are ideal for students willing to contribute more time and effort towards winning competitions. PRO teams require a higher degree of commitment by both students and parents, requiring four hours per week at an Exceed campus and four-plus hours of work at home. Each PRO team member must purchase their own robot, competition field and accessories to keep working from home. Professional teams will represent Exceed Robotics at qualifying and provincial tournaments.



Recreational

2 students per team recommended

2hrs @ Exceed
2hrs+ @ home

one robot per team

\$249.95/month+HST

Professional

2 students per team recommended

4hrs @ Exceed
4hrs+ @ home

one robot per student +
competition field and
accessories at home

\$449.95/month+HST

Equipment & Vex Registration Costs

In addition to tuition fee at Exceed on page 3, Vex competitions require teams to purchase their own robots and complete team and competition registrations. These costs should be divided amongst team members and decisions made by the team for the number of robots and robot parts to be purchased.

For recreational teams, the total estimated cost is \$5000-\$8000+HST in equipment and registration costs divided amongst members. Professional teams will also need to purchase the competition field and accessories for at-home work. The total estimated cost for professional teams is \$8000-\$11000+HST in equipment and registration costs divided amongst members.

Teams will need to purchase their Vex V5 robots (Starter Kit) for February 2023 which will be used for preparatory courses. All other purchases could be completed later per table below:

Team Category	Recreational	Professional
Number of Students per Team	5 students per team recommended	5 students per team recommended
Weekly Time Commitment	2hrs @ Exceed 2hrs+ @ home	4hrs @ Exceed 4hrs+ @ home
Robot Purchase	one robot per team	one robot per student + competition field and accessories at home
Tuition Fee	\$249.95/month+HST	\$449.95/month+HST

Weekly Schedules

Specific days at each campus are reserved for competition team meets per schedule below. Limited time slots will be posted and removed when full.

NOTE: only Richmond Hill campus will be hosting Vex VRC teams

Weekly Schedule	Recreational Teams (once per week)	Professional Teams (twice per week)
THORNHILL campus	n/a	n/a
MISSISSAUGA campus	n/a	n/a
RICHMOND HILL campus	Mondays @ 7:00-9:00pm or Fridays @ 7:00-9:00pm	Mondays @ 7:00-9:00pm or Fridays @ 7:00-9:00pm

Feb - May 2023:

Preparatory Courses

Feb - May 2023:

Competition Work

Feb - May 2023:

Qualifier Tournaments

Feb - May 2023:

Provincial Championship

Apply to Join a Competition Team:

Please fill out the form below to join our competition mailing list and click the links above to view the information packages. Parents will receive a link to join an orientation session in January for more information and to ask questions. If a student has never attended a robotics competition, it is best to join a Recreational team in the first year. We will review applications and select a limited number of students for Professional and VRC teams.

